



AXIS 250S MPEG-2 Video Server

DVD-quality video over networks

The AXIS 250S MPEG-2 Video Server is a cost-effective and independent system for streaming DVD-quality video with synchronized stereo sound across networks. It includes an embedded Web server, and plugs directly to IP networks.

Combining real-time MPEG-2 hardware compression and transmission with full-resolution video, the AXIS 250S is capable of data rates up to 24 Mbps and delivers full frame rate video at up to 30 frames per second. Complete with pre-alarm video buffer, it is the ideal high-performance system for any professional security application that demands bandwidth-efficient network video.



- Live MPEG-2 video over networks
- High-resolution video at full-motion speed
- Cost-efficient. Bandwidth-efficient
- Remote video storage using FTP
- E-mail alarm notification
- Support for Pan/Tilt/Zoom cameras

Technical Specification - AXIS 250S Video Server



System Requirements

- The AXIS 250S MPEG-2 Video Server uses the standard Internet TCP/IP suite of protocols and can be used with high performance PC's running Windows 2000® or Windows XP®

Minimum client PC requirements

CPU

- Pentium III 500 Mhz or higher, any AMD Athlon

Memory

- 128 MB RAM

Graphic card

- AGP card with Direct Draw support and 16 Mb video memory*

Sound card

- PCI-based

Software

- Internet Explorer 5.5, Mediaplayer 7 and Direct-X 8.1 or higher
- Three simultaneous clients supported

*32/64 Mb recommended for high resolutions/color depths

Installation

- RJ 45 network connector
- Installs directly to NTSC or PAL video camera or other Video source using BNC or Y/C (S-VHS) connector
- Power supply AXIS PS-K

Management

- Remote configuration and status using Web-based tools

Security

- User level password protection
- IP Address filtering

Video/Audio Compression

- MPEG-2. User controlled bandwidth utilization control
- Bit rate configurable: 0.25-8 Mbit/s per client
- Available resolutions: 720x576, 720x480, 352x288, 352x240 pixels
- 16 bits stereo sound

Video Quality	Resolution (Pixels)	
	352x240/ 352x288	720x480/ 720x576
Min	0.25 Mbit/s	0.25 Mbit/s
Medium	2 Mbit/s	4 Mbit/s
Max	8 Mbit/s	8 Mbit/s

Video Inputs

- 1 BNC composite video input with 75 Ohm termination/Hi Z
- Y/C (S-VHS) Input
- NTSC or PAL Configurable

Audio Inputs

- Stereo microphone input
Low sens. Max: -18.1 dBu (270 mVpp)
High sens. Max: -39.0 dBu (25 mVpp)
- Line input Max: +2.7 dBu (3.0 Vpp)

Networking

- 10baseT Ethernet or 100baseTX Fast Ethernet, TCP/IP, HTTP, FTP, SMTP, NTP, ARP, DHCP, BOOTP

General I/O

- Two Terminal Block connectors providing four digital alarm inputs and a single transistor output
- Event-triggered actions for remote video storage via File Transfer Protocol (FTP)
- E-mail notification of events (SMTP)
- Pre-alarm video storage

Serial Connectors

- One 9 pin D-SUB RS-232 max 115 kbit/s
- One RS-485/422 transceiver max 38.4 kbit/s, half duplex

Pan/Tilt/Zoom

- PTZ support for remote camera control. Currently supported units and protocols include:
BT Trippy, Canon VC-C3, VC-C4, Daiwa, Diamond SmartScan III, Ernitech ICU 51PA, Kalatel, Lilin, Panasonic, Pelco-D, Sony EVI-G20/21, EVI-D30/31, Surveyor, VCL, Videmech (UOCP), Videor, and Videotronic.
Future support for other PTZ units will be added

Hardware

- MPEG-2 compression chip
- ETRAX 100 LX, 32 bit RISC, 100 MIPS CPU
- 16 MB RAM
- 4 MB FLASH memory

Power

- External power supply 9V DC, 9W AXIS PS-K, included
- Alternative input voltage 7-20V DC, min 5W

Software

- No extra software needed. Direct Show filters and 3 Viewer (decoder) licenses included

Firmware Updates

- Flash memory for simple upgrades

Operating Environment

- Temp: 40-125°F (5-50°C)
- Humidity: 20-80% RH

Dimensions and Weight

- Height: 1.1" (2.7 cm)
- Width: 4.4" (11.2 cm)
- Length: 5.2" (13.3 cm)
- Weight: 0.70 lbs. (0.32 kg)

Approvals - EMC

- EN 55022:1998 (CISPR 22:1997), Class B - Emission, Europe
- EN 55024:1998 - Immunity, Europe (using line input)
- EN 61000-3-2:2000 - Power, Harmonic current emission
- EN 61000-3-3:1995+A1-Power, Flicker and inrush current
- FCC part 15, Subpart B, class B demonstrated by compliance with EN 55022 (CISPR 22)
- C-Tick AS/NZS 3548 - Australia
- Safety: EN 60950
- Safety: UL, CSA (power supply only)



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